

# PATENT COOPERATION TREATY

PCT/US2007/088858

From the INTERNATIONAL BUREAU

## PCT

NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
PRELIMINARY REPORT ON PATENTABILITY  
(CHAPTER I OF THE PATENT COOPERATION  
TREATY)  
(PCT Rule 44bis.1(c))

Date of mailing (*day/month/year*)  
09 July 2009 (09.07.2009)

To:

PYSHER, Paul, A.  
Fish & Richardson P.C.  
P.O. Box 1022  
Minneapolis, Minnesota 55440-1022  
ETATS-UNIS D'AMERIQUE

Applicant's or agent's file reference  
16839.9A

### IMPORTANT NOTICE

International application No.  
PCT/US2007/088858

International filing date (*day/month/year*)  
26 December 2007 (26.12.2007)

Priority date (*day/month/year*)  
26 December 2006 (26.12.2006)

Applicant

QUESTRA CORPORATION et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Faxsimile No. +41 22 338 82 70

e-mail: pt08.pct@wipo.int

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 16839.9A	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/US2007/088858	International filing date ( <i>day/month/year</i> ) 26 December 2007 (26.12.2007)	Priority date ( <i>day/month/year</i> ) 26 December 2006 (26.12.2006)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant QUESTRA CORPORATION			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

	Date of issuance of this report 30 June 2009 (30.06.2009)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70	Authorized officer  Masashi Honda  e-mail: pt08.pct@wipo.int

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

**PCT/US2007/088858**

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of:

the international application in the language in which it was filed  
 a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2.  This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of:

a. type of material

a sequence listing  
 table(s) related to the sequence listing

b. format of material

on paper  
 in electronic form

c. time of filing furnishing

contained in the international application as filed.  
 filed together with the international application in electronic form.  
 furnished subsequently to this Authority for the purposes of search.

4.  In addition, in the case that more than one version or copy of a sequence listing and or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

**PCT/US2007/088858**

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-25	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-25	NO
Industrial applicability (IA)	Claims	1-25	YES
	Claims	None	NO

**2. Citations and explanations :**

The present invention relates to a method for managing configurations of devices in a system that communicates information between a device and an enterprise.

Reference is made to following documents:

D1: US 2005-0055397 A1 ( ZHU, Y. et. al ) 10 MARCH 2005  
D2: US 2006-0236325 A1 ( RAO, B.R. et. al ) 19 OCTOBER 2006  
D3: US 7,028,081 B2 ( KAWASHIMA, M. ) 11 April 2006

D1 relates to a system and method for an Open Mobile Alliance (OMA: [www.openmobilealliance.org/Technical/DM.aspx](http://www.openmobilealliance.org/Technical/DM.aspx)) Device Management (DM) extension that manages vendor specific configuration parameters and settings for mobile devices.

D2 relates to a device client which supports customer care and distribution of update packages to electronic devices, and a terminal management/device management server which employs extensions to an industry standard device management protocol for updating configuration information and managing the electronic devices.

D3 relates to a network-device management program for controlling network devices connected to a computer network which reduces the load of the network and the devices by preserving device information acquired from each device and not acquiring new information from the device for a predetermined period.

**1. Novelty and Inventive step**

The subject matter of claim 1 relates to a method for managing configurations of the devices, the method comprising: building a defined configuration for a device type; comparing an actual configuration of the device to the defined configuration; determining if the values of actual configuration match the corresponding value requirements; running business logic associated with the device based on a result from the step of determining; and storing the matched configurations.

Claim 1 meets the criteria set out in PCT Article 33(2) with respect to novelty, but claim 1 lacks an inventive step under PCT Article 33(3), because D1 discloses a process for managing the configurations of mobile devices using OMA DM protocol and D2 discloses a system for remotely managing a plurality of electronic devices via a communication network.

(Continued on Supplemental Box)

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

**PCT/US2007/088858**

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

(from Box V)

Claims 2-16, which are directly or indirectly dependent on claim 1, meet the criteria set out in PCT Article 33(2) with respect to novelty.

However, claims 2-16 lack an inventive step under PCT Article 33(3) because D1 discloses a method for providing an OMA DM protocol for managing specified configuration settings associated with a mobile device, and D2 discloses a communication network supporting management of an electronic device via a wireless infrastructure and OMA DM tree structures.

The subject matter of claim 17 relates to a system for managing configurations of devices, the system comprising: a server, a database, and an enterprise.

Claim 17 meets the criteria set out in PCT Article 33(2) with respect to novelty, but claim 17 lacks an inventive step under PCT Article 33(3), because D1 discloses a mobile device management system comprising a server for device management and a data store, and D2 discloses a terminal management/device management system including a self-care website/portal, a customer care server, a download server, a device management server, a diagnostics server, and a provisioning server.

Claims 18-25 which are directly or indirectly dependent on claim 17 meet the criteria set out in PCT Article 33(2) with respect to novelty.

However, claims 18-25 lack an inventive step under PCT Article 33(3), because the technical features of claims 18-25 lie within the general capabilities of the skilled person having knowledge of an OMA DM server in D1 and a terminal management/device management server in D2.

**2. Industrial Applicability**

Claims 1-25 meet the criteria set out in PCT Article 33(1) and thus have industrial applicability because the subject matter claimed can be made or used in industry.

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
ISRAELSEN, R. Burns

WORKMAN NYDIEGGER 1000 Eagle Gate Tower 60 East  
South Temple Salt Lake City Utah 84111 USA

**PCT**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) **21 MAY 2008 (21.05.2008)**

Applicant's or agent's file reference  16839.9a		<b>FOR FURTHER ACTION</b>  See paragraph 2 below	
International application No. <b>PCT/US2007/088858</b>	International filing date (day/month/year) <b>26 DECEMBER 2007 (26.12.2007)</b>	Priority date (day/month/year) 26 DECEMBER 2006 (26.12.2006)	
International Patent Classification (IPC) or both national classification and IPC  <i>G06F 19/00(2006.01)i</i>			
Applicant <b>QUESTRA CORPORATION et al</b>			

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA 220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA 220.

Name and mailing address of the ISA KR Korean Intellectual Property Office Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302 -701, Republic of Korea Facsimile No. 82-42-472-7140	Date of completion of this opinion  21 MAY 2008 (21.05.2008)	Authorized officer  Park Ji Eun Telephone No.82-42-481-8537
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